

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 2001052072  
PUBLICATION DATE : 23-02-01

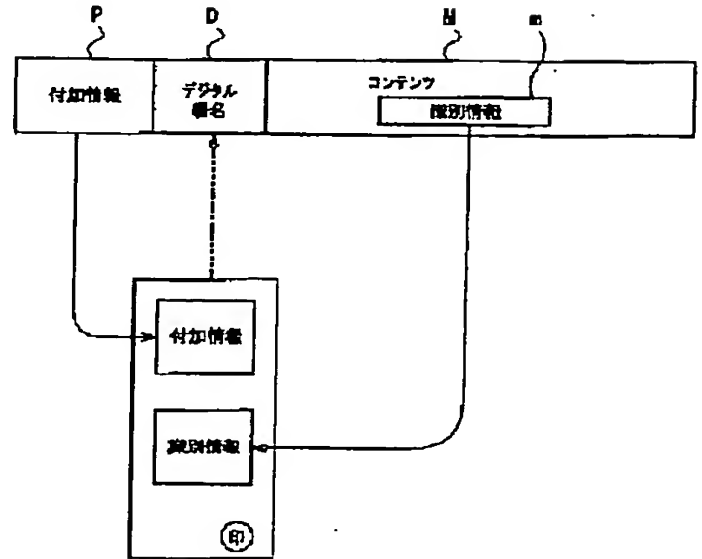
APPLICATION DATE : 16-08-99  
APPLICATION NUMBER : 11230090

APPLICANT : NTT COMMUNICATIONS KK;

INVENTOR : ARAKI HIDENORI;

INT.CL. : G06F 17/60 G06F 13/00 G09C 1/00  
G09C 5/00

TITLE : CONTENTS DISTRIBUTING METHOD  
AND RECORDING MEDIUM  
RECORDING CONTENTS  
DISTRIBUTION PROGRAM THEREFOR



ABSTRACT : PROBLEM TO BE SOLVED: To add additional information sufficient for managing contents to the contents by generating a digital signature from the additional information as information related to the contents and identification information to be applied to the contents.

SOLUTION: The digital signature is generated from additional information P and identification information (m). Namely, first of all, the additional information P of contents M is prepared. At such a time, the entire located 'additional information' is regarded as sequence of bytes. Next, the identification information (m) of contents M is prepared. At such a time, 'identification information' is detected from the contents M and regarded as sequence of bytes. Further, the prepared identification information (m) is embedded in the contents M as 'electronic watermark' and a digital signature D is prepared corresponding to the sequence of bytes linking two sequences of bytes of the additional information P and the identification (m) and added as external information of contents M. Thus, additional information sufficient for managing the contents M can be added to these contents M.

COPYRIGHT: (C)2001,JPO